

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-22 (Cancelled).

Claim 23 (Currently Amended): A computer readable medium having a two-dimensional code thereon which is readable by a computer to provide information pertaining to said two-dimensional code, said two-dimensional code having a reference cell, a number of corner cells, and a code part, wherein the reference cell ~~has human-readable information associated with said two-dimensional code directly visible thereon and~~ serves as a reference in recognizing said two-dimensional code, each of the number of corner cells is located in a predetermined search range with respect to said reference cell, and the code part includes an area having code data assigned to said two-dimensional code.

Claim 24 (Currently Amended): A computer readable medium according to claim [[23]] 29, wherein said reference cell is made of a rectangular black pixel contiguous region which has a predetermined aspect ratio and which includes hollow human-readable information directly visible thereon.

Claim 25 (Currently Amended): A computer readable medium according to claim [[23]] 29, wherein said human-readable information is a logo mark attached to a code scheme of said two-dimensional code.

Claim 26 (Previously Presented): A computer readable medium according to claim 25, wherein said human-readable information is a name of a corporation associated with said code scheme of said two-dimensional code.

Claim 27 (Currently Amended): A computer readable medium according to claim 25, wherein said human-readable information is a Uniform Resource Location abbreviated to URL associated with said code scheme of said two-dimensional code.

Claim 28 (Currently Amended): A computer readable medium according to claim [[23]] 29, wherein said human-readable information is a character string.

Claim 29 (New): A computer readable medium according to claim 23, wherein the reference cell has human-readable information associated with said two-dimensional code directly visible thereon.

Claim 30 (New): An apparatus for providing information pertaining to a two-dimensional code which is readable by a computer, said two-dimensional code having a reference cell, a number of corner cells, and a code part, the apparatus comprising:

a reference cell recognizer configured to recognize a reference cell serving as a reference in recognizing said two-dimensional code;

a corner cell locator configured to locate corner cells each located in a predetermined search range with respect to said reference cell detected by said reference cell detector; and

a code data assignor configured to assign an area of a code part, having code data and enclosed by said reference cell and by said corner cells, to said two-dimensional code.

Claim 31 (New): A method of providing information pertaining to a two-dimensional code which is readable by a computer, said two-dimensional code having a reference cell, a number of corner cells, and a code part, said method comprising:

recognizing said two-dimensional code using the reference cell as a reference;

locating each of the number of corner cells in a predetermined search range with respect to said reference cell; and

assigning an area of the code part having code data to said two-dimensional code.